BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate

NAME OF THE WORK:-Improvements to Toilets in ward no 6 Thanisandra.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	80.70	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(b) / 2.3.5.	cum	51.84	Rupees Fifty One and Eighty Four Paise Only
2	24.18	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.	cum	5449.68	Rupees Five Thousand Four Hundred Forty Nine and Sixty Eight Paise Only
3	51.84	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 Pg No 15,Item No 4.31	sqm	316.44	Rupees Three Hundred Sixteen and Forty Four Paise Only
4	25.92	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness 200 mm including cost of all materials, labour complete as per specificaiton. Specification No. KBS 4.6.2 Pg No 15,Item No 4.18	sqm	338.04	Rupees Three Hundred Thirty Eight and Four Paise Only
5	5.83	KSRB 4.2.8 : Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mmand down size graded granite metal coarse aggregates @0.7cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming toIS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications.Specification No. KBS 4.1, 4.6,Pg No. 13 Item No. 4.12	cum	6650.64	Rupees Six Thousand Six Hundred Fifty and Sixty Four Paise Only
6	0.47	KSRB 4.9.2 : Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Pg No.17 Item No.4.46.2	MT	60534.00	Rupees Sixty Thousand Five Hundred Thirty Four Only
7	16.00	KSRB 12-6.1 : Providing 20mm square M.S footrest and fixing in manhole with M 10 cement concrete block of 20x20x10cms, using 20mm and down size metal of size including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 12.4.6Pg No. 73 item no. 11.44	cum	265.68	Rupees Two Hundred Sixty Five and Sixty Eight Paise Only

No of corrections - Nil

E.E. (BTP DIV)
05/02

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
8	37.53	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	cum	4521.96	Rupees Four Thousand Five Hundred Twenty One and Ninety Six Paise Only
9	18.12	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2.	cum	5405.40	Rupees Five Thousand Four Hundred Five and Forty Paise Only
10	4.67	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4	cum	6491.88	Rupees Six Thousand Four Hundred Ninety One and Eighty Eight Paise Only
11	196.35	KSRB 5-28 : Providing and constructing nonload bearing wall with solid concrete blocks of size 400x100x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185:2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing hire charges of machineries etc.,complete as per specifications. KBS No.5.4	sqm	1011.96	Rupees One Thousand Eleven and Ninety Six Paise Only
12	69.54	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12.	sqm	773.28	Rupees Seven Hundred Seventy Three and Twenty Eight Paise Only
13	96.49	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specificaiton.	kg	84.24	Rupees Eighty Four and Twenty Four Paise Only
14	237.75	KSRB 4-6.3: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per specificaiton.	sqm	414.72	Rupees Four Hundred Fourteen and Seventy Two Paise Only
15	10.10	KSRRB M 2300-2.1 : Plain/reinforcement Cement Concrete design mix M20 super structure with OPC cement @320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46cum with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-1508 height upto 5 mtrs	cum	7261.92	Rupees Seven Thousand Two Hundred Sixty One and Ninety Two Paise Only
	15.17	(Urdhu school)	cum	7261.92	Rupees Seven Thousand Two Hundred Sixty One and Ninety Two Paise Only
16	2.02	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and I or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT Bar Fe 500 P.NO.17.I.NO.4.46.2	MT	60534.00	Rupees Sixty Thousand Five Hundred Thirty Four Only
17	7.56	KSRB 9-7.1 : Providing and fixing in position fully pannelled mathi/Nandi wood shutters for doors, styles and rails of 30mm. Thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) specification NO. KBS 9.34	sqm	2852.28	Rupees Two Thousand Eight Hundred Fifty Two and Twenty Eight Paise Only

No of corrections - Nil

E.E. (STR. DIV)

05/02

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
18	19.15	PVC DOOR Shutter : Supply and fixing of doors shuttersmade of rigid PVC extruded hollow section of 20mm X 200mm with the wall thickness of 1.0mm + /0.1mm equally divided into 4nos with tongue and groove locking arrangements. The shutter frame is made of 58*24 mm with the wall thickness of 1.5mm+/-0.15mm section metricut and joined at 4 corners with 125mmX225mm plastic brackets. The shitter shall be horizontally reinforced with 2nos of 8mm PVC rods. Teak wood battons shall be reinforced inside the door shutter during the fabrication of the door shutter at those points wherever the hardware is fixed on to the door shutter.	sqm	1900.80	Rupees One Thousand Nine Hundred and Eighty Paise Only
19	226.18	KSRB15-3.10 : Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	sqm	279.72	Rupees Two Hundred Seventy Nine and Seventy Two Paise Only
20	479.55	KSRB15-3.10 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	208.44	Rupees Two Hundred Eight and Forty Four Paise Only
21	226.18	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications	Sqm	45.36	Rupees Forty Five and Thirty Six Paise Only
22	83.70	KSRB 14.14-5 : Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. ceramic tiles 400X400X20mm	mtr	1272.24	Rupees One Thousand Two Hundred Seventy Two and Twenty Four Paise Only
23	165.62	KSRB 14.14-5 : Providing ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. ceramic tiles 15X15cms 6mm thick	mtr	999.00	Rupees Nine Hundred Ninety Nine Only
24	60.00	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 25mm nominal OD pipes. 20mm dia CPVC pipe	mtr	135.00	Rupees One Hundred Thirty Five Only
	45.00	25mm dia CPVC pipe	-"-	178.20	Rupees One Hundred Seventy Eight and Twenty Paise Only
	45.00	32mm dia CPVC pipe	-"-	232.20	Rupees Two Hundred Thirty Two and Twenty Paise Only
25	60.00	Providing and fixing unplasticised PVC pipes 10.00kg/sq.cm working pressure chemp plast/wavin or equivalent make with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM of equipment and testing complete as per specifications.	mtr	1566.00	Rupees One Thousand Five Hundred Sixty Six Only
26	2.00	KSRB 11-15.2 : Providing and fixing 450mm dia circular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications.	unit	935.28	Rupees Nine Hundred Thirty Five and Twenty Eight Paise Only
27	8.00	Providing white vitreous china clay indian pattern squatting urinals with white glazed foot rests of approved quality and make conforming to ISI specifications and fixing in position with M-15 as directed of size 50.8 cms X 38 cms X 10.16 CMS - A grade(Rate includes cost of all materials, and conveyance to work spot).	each	1047.60	Rupees One Thousand Forty Seven and Sixty Paise Only
28	8.00	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot).	each	307.80	Rupees Three Hundred Seven and Eighty Paise Only

XLD & corrections - Nil

E.E. (STR. DIV)

05/02

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
29	20.00	KSRB13-6.1-1 : Providing and fixing in position brass bib cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3	each	249.48	Rupees Two Hundred Forty Nine and Forty Eight Paise Only
30	2.00	KSRB13-6.3-1 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. 32mm dia nominal	each	1050.84	Rupees One Thousand Fifty and Eighty Four Paise Only
	4.00	25mm dia nominal	each	648.00	Rupees Six Hundred Forty Eight Only
31	4.00	KSRB 12-8.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.	No's	7604.28	Rupees Seven Thousand Six Hundred Four and Twenty Eight Paise Only
32	8.00	KSRB 11-3 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour specification NO. KBS 11	No's	1381.32	Rupees One Thousand Three Hundred Eighty One and Thirty Two Paise Only
33	4.00	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I/M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, including cost of materials, labour complete as per specification.	each	5540.40	Rupees Five Thousand Five Hundred Forty and Forty Paise Only
34	8.00	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11	No's	4196.88	Rupees Four Thousand One Hundred Ninety Six and Eighty Eight Paise Only
35	1.00	KSRB 13-11.1 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 litre capacity) (kannada school)	No's	9144.36	Rupees Nine Thousand One Hundred Forty Four and Thirty Six Paise Only
	1.00	(Urdhu school)	No's	9144.36	Rupees Nine Thousand One Hundred Forty Four and Thirty Six Paise
36	226.18	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications.	Sqm	163.08	Rupees One Hundred Sixty Three and Eight Paise Only
37	313.93	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per specification. Area to be considered (a)100% for fresh surface. (b) Upto 10% for repainting	Sqm	60.48	Rupees Sixty and Forty Eight Paise Only

NIL corrections Nil

E.E. (BTP DIV)
5/02

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
38	107.00	Providing and applying water proofing to roof slab, terraces, landscape area, podium etc., using modified polyurethane cures (conforming to ASTM C836-84) to give a tough elastomeric waterproof membrane on the surface. The surface shall be cleaned free from dust and other particle before usage.	No's	756.00	Rupees Seven Hundred Fifty Six Only
39	1.00	1.0HP/75 K W Pump (kannada school)		17724.00	Rupees Seventeen Thousand Seven Hundred Twenty Four
	1.00	(Urdhu school)		17724.00	Rupees Seventeen Thousand Seven Hundred Twenty Four
40	1.00	Supplying ,fixing, wiring, earth electrode for grounding conduits, I,C. cutours and other equipments on the meter board using 40mm dia 2.90 thick GI pipe 2.5 mtr long buried in a pit ..The pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth.the connection from the pipe to the conduit ctc,is to be established through DI wire of size as per ISI Specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc, the pipe shall have 16 through holes of 122mm dia	No's	2727.00	Rupees Two Thousand Seven Hundred Twenty Seven Only
	1.00	(Urdhu school)	No's	2727.00	Rupees Two Thousand Seven Hundred Twenty Seven Only
41	55.00	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade,multistrand copper with low conducter resistence single core wire in open or consealed system of wiring with specifed IS-694:1990 & confirming to GTP of Group A 3) 2.5 Sqmm	No's	29.20	Rupees Twenty Nine and Twenty Paise Only
	110.00	(Urdhu school)	mtr	29.20	Rupees Twenty Nine and Twenty Paise Only
42	10.00	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade,multistrand copper with low conducter resistence single core wire in open or consealed system of wiring with specifed IS-694:1990 & confirming to GTP of Group A 3) 16 Sqmm	mtr	180.00	Rupees One Hundred Eighty Only
	20.00	(Urdhu school)	mtr	180.00	Rupees One Hundred Eighty Only
43	10.00	Underground stone ware pipes	mtr	564.84	Rupees Five Hundred Sixty Four and Eighty Four Paise Only
	20.00	(Urdhu school)	mtr	564.84	Rupees Five Hundred Sixty Four and Eighty Four Paise Only
44	16.00	KSRB 14.6-1: Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS P.NO.101.I.NO.14.7	mtr	1028.20	Rupees One Thousand Twenty Eight and Twenty Paise Only
45	18.60	Supplying and fixing M.S rectangular poles made out of two equal angles of 65X65X6 mm welded together and fixed in CC 1:2:4 with two numbers 16mm dia M.S hold fast rods each of length 25cms including cost of all materials cutting, bending scaffolding whereever necessary, nicely finishing the welded jonts with all lead lift and as per the direction of engineer incharge of the work and including providing two coats of approved quality paint over coat of shop painting (excluding cost of earthwork and concrete)(PWD SR 2016-17 Pg 262 & Item no 37.2)	mtr	884.52	Rupees Eight Hundred Eighty Four and Fifty Two Paise Only

No of corrections - Nil

E.E. (BTP. DIV)

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
46	37.50	Providing chain link fencing 50mm size of 8 guage properly stretched between rectangularpoleas and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour lead and lift and as per the directions of the engineer incharge of work including two coats of approved quality paint over one coat of shop paint (PWD SR 2016-17 Pg 262 & Item no 37.3)	Sqm	711.72	Rupees Seven Hundred Eleven and Seventy Two Paise Only
47	60.00	Providing and fixing M.S block pipe of 38mm dia of heavy guage of 14 including removing the bends, cutting the pipes and fixing pipe in between the two vertical poles (M.S rectangular poles) and spot welding the chain link with M.S block pipe including cost of all materials wastage in cutting and scaffolding wherever necessary with all lead and lift as directed by the engineer in-charge of work etc, complete including two coats of approved quality paint over one coat of shop paint (PWD SR 2016-17 Pg 262 & Item no 37.4)	mtr	349.92	Rupees Three Hundred Forty Nine and Ninety Two Paise Only
48	80.70	KSRRB M100-1 Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1 Disposing of the excavated materials to a distance of 15.00kms by mechanical means	Sqm	116.00	Rupees One Hundred Sixteen Only

No of corrections - Nil

Executive Engineer
Byatarayanapura Division
BBMP, Bangalore - 92

Note:

1. Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)
2. Unit rates and prices shall be quoted by the Tender in Indian rupees.
3. Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)
4. Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

"DTS Approved"

Chief Engineer
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